RESERVDELSINFORMATION / PARTS INFORMATION

# 99 Series Parts Information

Ingersoll Rand 99HL60H106

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# Air Grinder

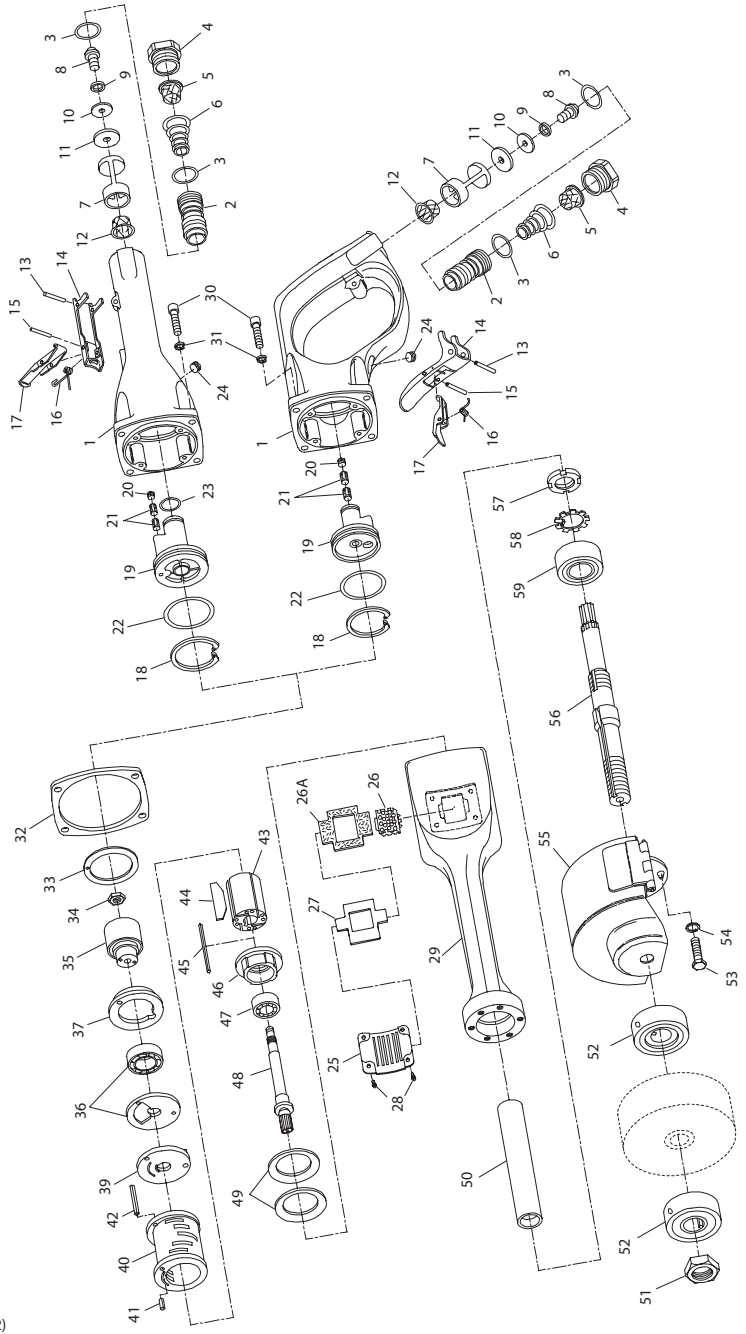
## 99H Series

# Parts Information

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## 99H Series Air Grinder - Exploded View



(Dwg. TPA759-2)

## 99H Series Air Grinder - Parts List

| Item | Part Description | 99HG45H108<br>99HG60H106 | 99HL45H108<br>99HL60H106<br>99HL60H108 |
|---|---|---|---|
| 1 | Throttle Handle Assembly | 99HG60-A1 | 99HL60-A160 |
| 2 | Throttle Valve Assembly | 88V60-A302 | 88V60-A302 |
| 3 | Seal (2) | C321-606 | C321-606 |
| 4 | Inlet Bushing | 88V60-38 | 88V60-38 |
| 5 | Inlet Bushing Screen | 834-61 | 834-61 |
| 6 | Throttle Valve Spring | 99V60-262 | 99V60-262 |
| 7 | Throttle Valve Seat Support Assembly | 88V60-A303 | 88V60-A303 |
| 8 | Valve Seat Screw | PS3-83 | PS3-83 |
| 9 | Valve Screw Lock Washer | H54U-352 | H54U-352 |
| 10 | Valve Seat Washer | 99V60-155 | 99V60-155 |
| 11 | Valve Seat | R4-159A | R4-159A |
| 12 | Air Strainer Screen | 834-61 | 834-61 |
| 13 | Throttle Lever Pin | MR-100 | MR-100 |
| 14 | Throttle Lever Assembly | 88HG60-A400 | 88V60-A400 |
| 15 | Lever Lock Pin | R100B-120 | 502B-120 |
| 16 | Lever Lock Spring | 88HG60-405 | 88V60-405 |
| 17 | Lever Lock | 88HG60-402 | 88V60-402 |
| 18 | Oiler Retainer | 88HG60-298 | 88HL60-298 |
| 19 | Oiler Body Assembly | 88HG60-A198 | 88HL60-A198 |
| 20 | Oiler Adjusting Screw | R1-71A | R1-71A |
| 21 | Oiler Felt (2) | R1-75 | R1-75 |
| 22 | O-Ring (Large) | M0V010AA-379 | WFS182-210 |
| 23 | O-Ring (Small) | --- | 88HL60-103 |
| 24 | Oil Chamber Plug | R2-227 | R2-227 |

## 99H Series Air Grinder - Parts List

| Item | Part Description | Part Number |
|---|---|---|
| 25 | Exhaust Deflector | 88H60-23 |
| 26 | Exhaust Baffle | 88H90-311 |
| 26A | Exhaust Deflector Gasket | 88H60-129 |
| 27 | Exhaust Diffuser (for 99HL45H108) | 99H80-123 |
| 28 | Exhaust Deflector Screw (4) | 99V60-200 |
| + 29 | Arbor Housing | |
| | for models ending in -EU | 99H60-EU-A40 |
| | for all other models | 99H60-A40 |
| * | Warning Label (for models ending in -EU) | EU-99 |
| * | Nameplate Screw (4) (for models | C32-302 |
| * | Nameplate Kit (for models ending in -EU) | 99H-EU-K301 |
| * | Nameplate Kit (for all other models) | 99H-K301 |
| | Nameplate Screw (4) | C32-302 |
| | Warning Label | WARNING-4-99 |
| 30 | Arbor Housing Screw (4) | 88H60-29 |
| 31 | Arbor Housing Lock Washer (4) | 88H60-58 |
| 32 | Arbor Housing Gasket | 99H60-283 |
| 33 | Rear End Plate Gasket | 99V60-739 |
| 34 | Controller Retaining Nut | |
| | for 99HG45H108 and 99HL45H108 | R4-120 |
| | for all other models | G8-120A |
| 35 | Controller Assembly (consists of Controller and Rotor Bearing Seal Assembly) | |
| | for 99H45 (Orange) | 99V45-A524 |
| | for 99H60 (Blue) | 99V60-A524 |
| 36 | Rear Bearing Seal Assembly (consists of Rear Rotor Bearing and Rotor Bearing Seal) | 99V60-A28A |
| 37 | Bearing Cage | 99V60-107A |
| 39 | Rear End Plate | 99V60-A12 |
| 40 | Cylinder Assembly | 99V60-A3 |
| 41 | End Plate Dowel | 5040-6 |
| 42 | Cylinder Dowel | 502B-120 |
| 43 | Rotor | 99V60-53 |
| 44 | Vane Packet (set of 4 Vanes) | 99V60-42-4 |
| 45 | Rotor Key | R43F-70 |
| 46 | Front End Plate | 99V60-11 |
| 47 | Front Rotor Bearing | R380-105 |
| 48 | Rotor Shaft | |
| | for 99H45 (13 teeth) | 99H45-52 |
| | for 99H60 (13 teeth) | 99H60-52 |
| 49 | Motor Clamp Washer (2) | 99V60-207 |
| 50 | Arbor Coupling | 88H60-304 |
| 51 | Wheel Nut | |
| | for models with M16 x 2.0 pitch thread arbor | 88H60-776 |
| | for models with 5/8"-11 thread arbor | HU-776 |
| 52 | Wheel Flange (2) | |
| | for 99H45 and 99HL60H108 with 5/8"-11 Arbors (4500 & 6000 rpm) with model numbers ending in 8 | 99H45-16 |
| | for 99H60 with 5/8"-11 Arbors (6000 rpm) with model numbers ending in 6 | 88H60-16 |
| 53 | Guard Screw (6) | 99H60-638 |
| 54 | Guard Screw Lock Washer (6) | 88H60-67 |
| 55 | Wheel Guard | |
| | for 99HG60H106 and 99HL60H106 | 88H60-961A |
| | for all other models | 99H45-981 |
| * | Guard Latch Screw | |
| | for new style Guard with smooth threaded face Latch Retainer | 88H60-7A |
| | for old style Guard with slotted dome Latch Retainer | 88H60-7 |
| 56 | Arbor (for Type 1 Grinding Wheels) | |
| | for M16 x 2.0 pitch thread | 88H60-4-K16 |
| | 5/8"-11 thread | 88H60-4-H10 |
| 57 | Bearing Locknut | 88H60-84 |
| 58 | Bearing Lock Washer | 88H60-27 |
| 59 | Arbor Bearing | G57E-24 |
| * | Wheel Adapter Kit for 99HG45H108, 99HL45H108, 99HG60H106 and 99HL60H106 (consists of four Adapters for mounting Type 1 Wheels of the following metric dimensions): 32 mm wide x 20 mm arbor hole; 32 mm wide x 32 mm arbor hole; 25 mm wide x 20 mm arbor hole and 25 mm wide x 32 mm arbor hole | 88H60-K900 |
| * | Tune-up Kit (includes illustrated parts 3 [2],5, 11, 12 [2], 21 [2], 22, 23, 32, 33 and 44) | 99V/99H-TK3 |
| * | Controller Wrench | 99V60-950 |
| * | Seal Pressing Tool | 99V60-951 |
| * | Bearing Clamp | 99V60-A952 |
| * | Kit (includes 99V60-950, 99V60-951 & 99V60-A952) | 99V60-K950 |
| * | Deflector Screw Wrench | R2J-562 |

* Not illustrated.

+ Whenever a new Arbor Housing is installed, select the correct Nameplate from the Nameplate Kit and attach it to the Housing with the Nameplate Screws.

## Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Tool repair and maintenance should only be carried out by an authorized Service Center.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.

## Related Documentation

For additional information refer to:
Product Safety Information Manual 04584959.
Product Information Manual 16576100.
Maintenance Information Manual 16573354.

Manuals can be downloaded from ingersollrandproducts.com

**Notes:**

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**ingersollrandproducts.com**

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